

Fig. 1

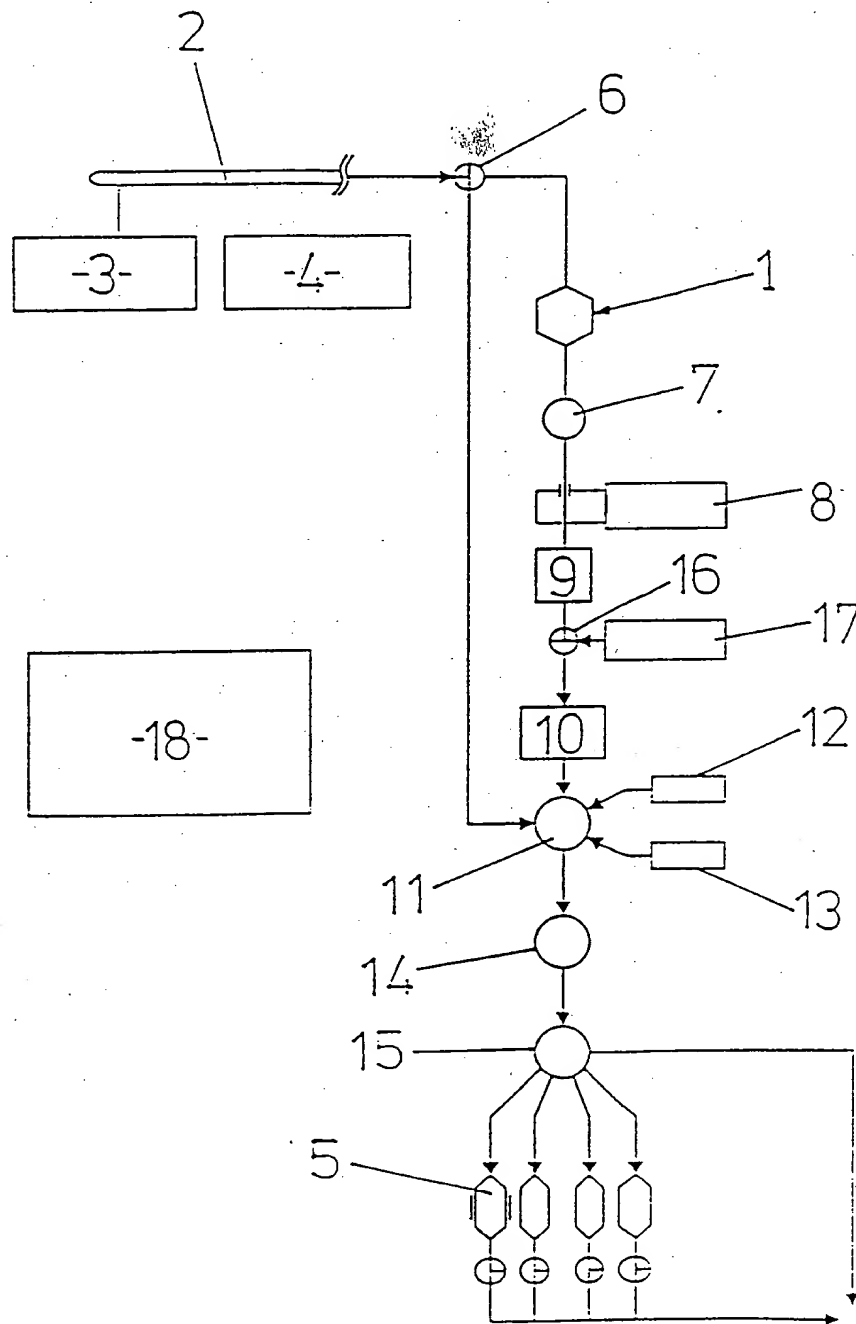
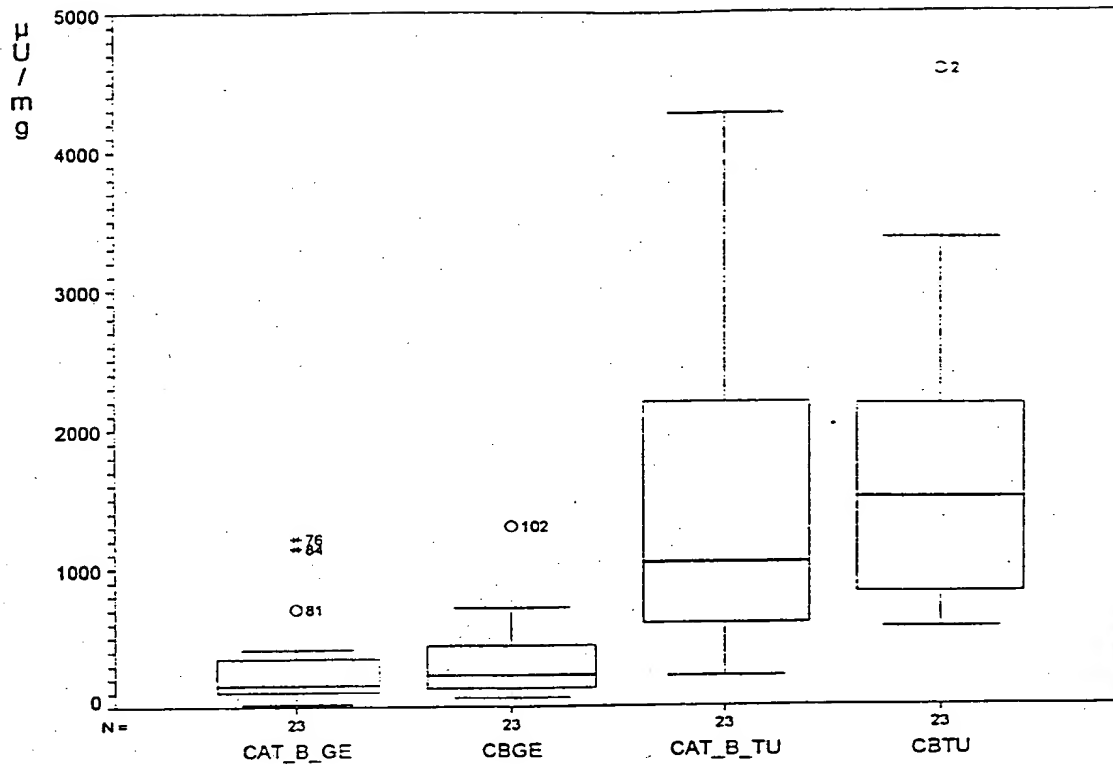


Fig. 2 Activity of cathepsin B



LEGEND: CAT\_B\_GE: Activity of cathepsin B of healthy lung tissue before withdrawing the inhibitor.

CAT\_B\_TU: Activity of cathepsin B of tissue, showing a tumor in the lung, before withdrawing the inhibitor.

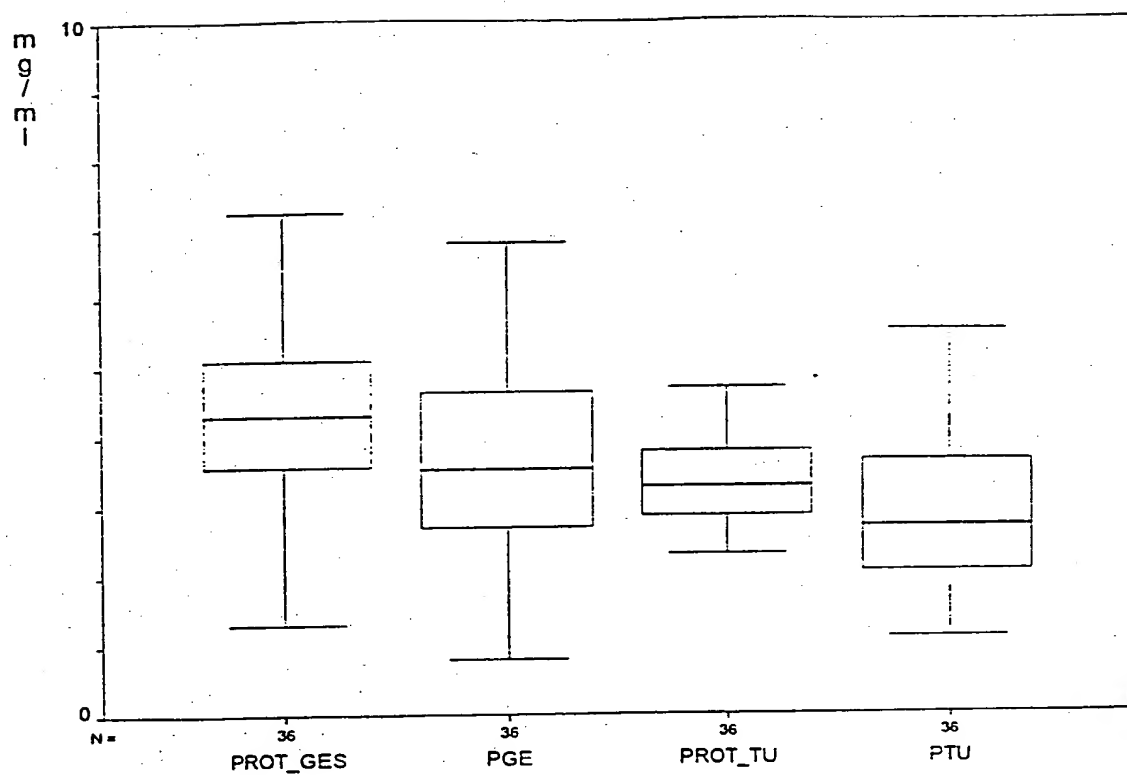
CBGE: Activity of cathepsin B of healthy lung tissue after withdrawing the inhibitor.

CBTU: Activity of cathepsin B of tissue, showing a tumor in the lung, after withdrawing the inhibitor.

N: Case number.

Y-axis: activity in  $\mu\text{U}/\text{mg}$  protein.

Fig. 3 Amount of protein



LEGEND: PROT\_GES: Amount of protein of healthy lung tissue before withdrawing the inhibitor.

PROT\_TU: Amount of protein of tissue, showing a tumor in the lung, before withdrawing the inhibitor.

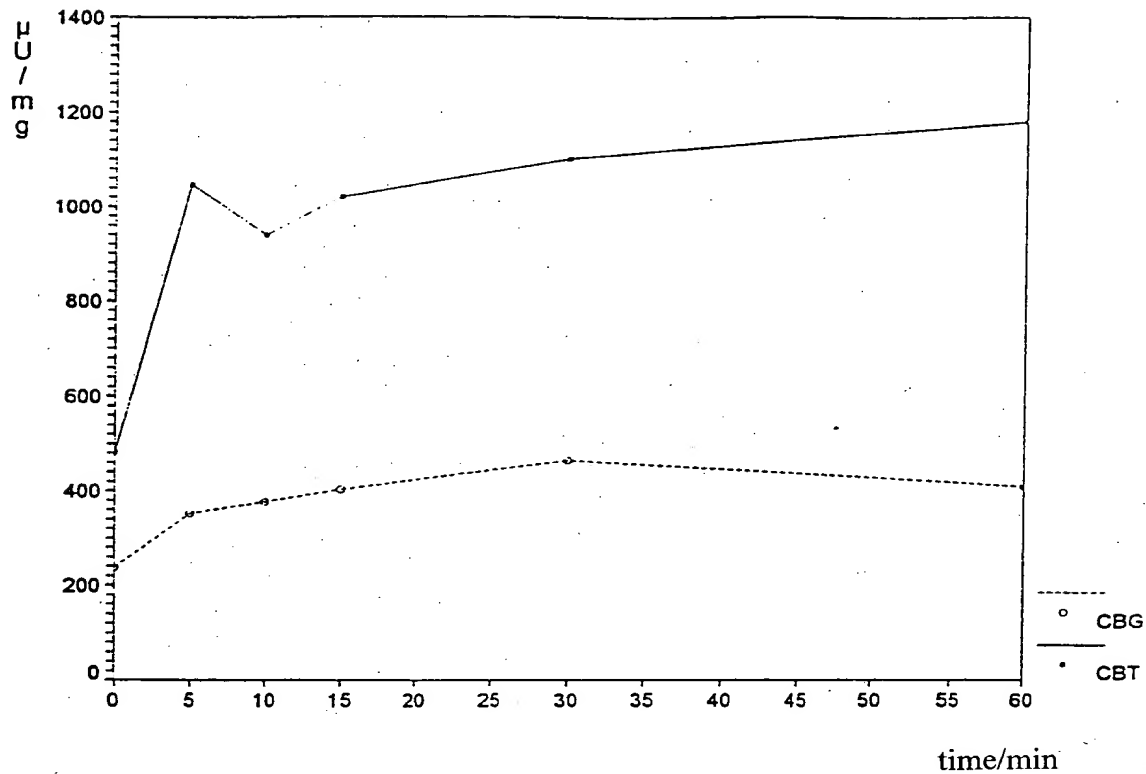
PGE: Amount of protein of healthy lung tissue after withdrawing the inhibitor.

PTU: Amount of protein of tissue, showing a tumor in the lung, after withdrawing the inhibitor.

N: Case number.

Y-axis: Amount of protein in mg/ml.

Fig. 4 Activity of cathepsin B



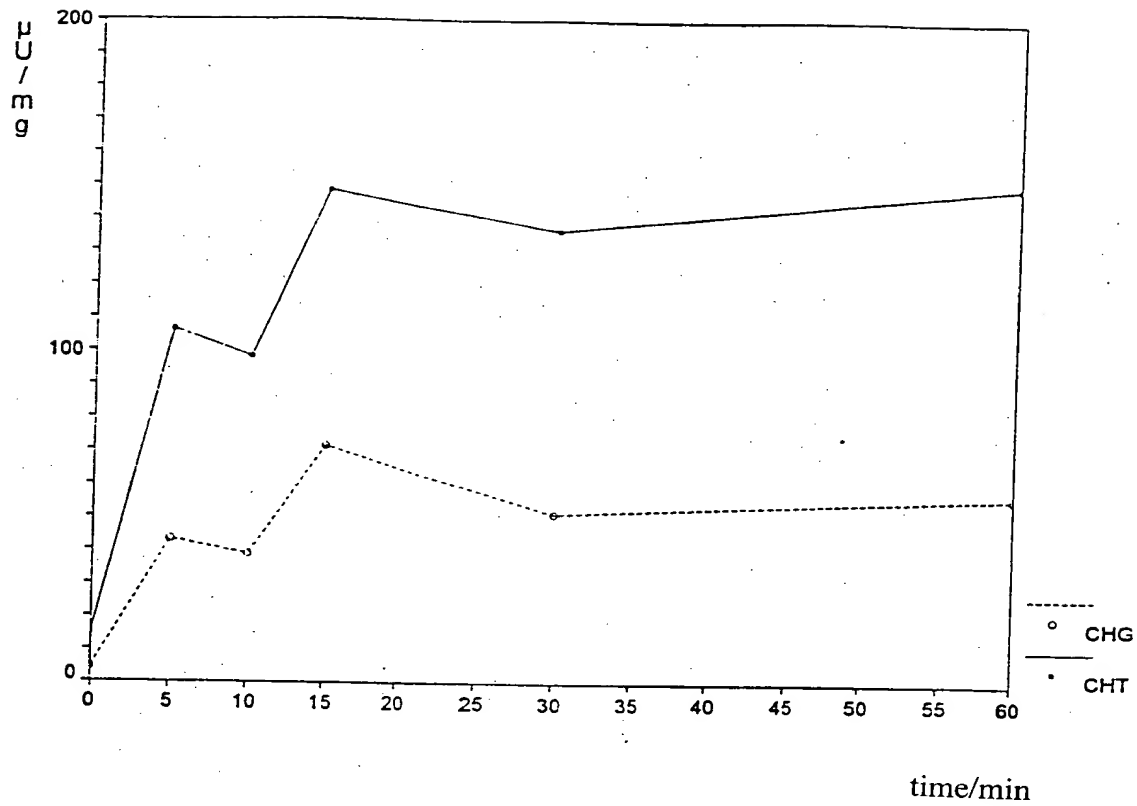
LEGEND: CBG: Activity of cathepsin B of healthy lung tissue before and after withdrawing the inhibitor.

CBT: Activity of cathepsin B of tissue, showing a tumor in the lung, before and after withdrawing the inhibitor.

X-axis: Time in minutes; 0 min refers to the state before and the other values to the state after withdrawing the inhibitor.

Y-axis: activity in  $\mu\text{U}/\text{mg}$  protein.

Fig. 5 Activity of cathepsin H



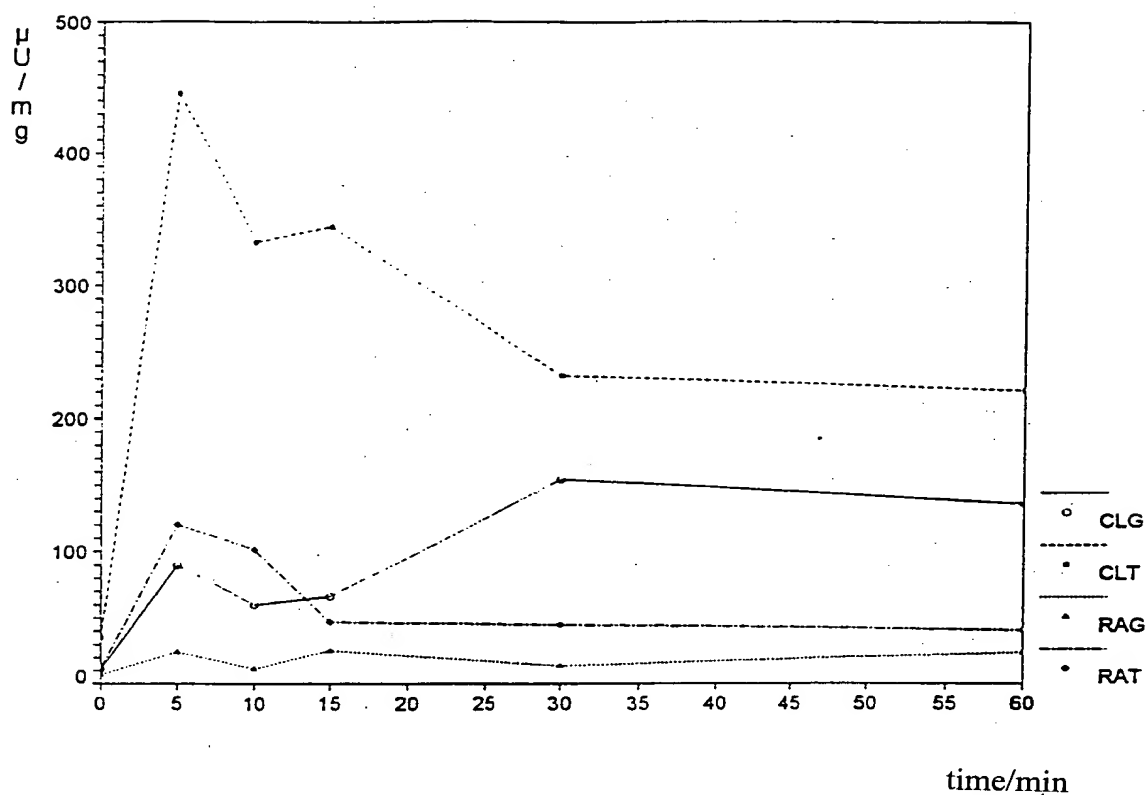
LEGEND: CHG: Activity of cathepsin H of healthy lung tissue before and after withdrawing the inhibitor.

CHT: Activity of cathepsin H of tissue, showing a tumor in the lung, before and after withdrawing the inhibitor.

X-axis: Time in minutes; 0 min refers to the state before and the other values to the state after withdrawing the inhibitor.

Y-axis: activity in  $\mu\text{U}/\text{mg}$  protein.

Fig. 6 Activity of cathepsin L



LEGEND: CLG: Activity of cathepsin H of healthy lung tissue before and after withdrawing the inhibitor.

CLT: Activity of cathepsin H of tissue, showing a tumor in the lung, before and after withdrawing the inhibitor.

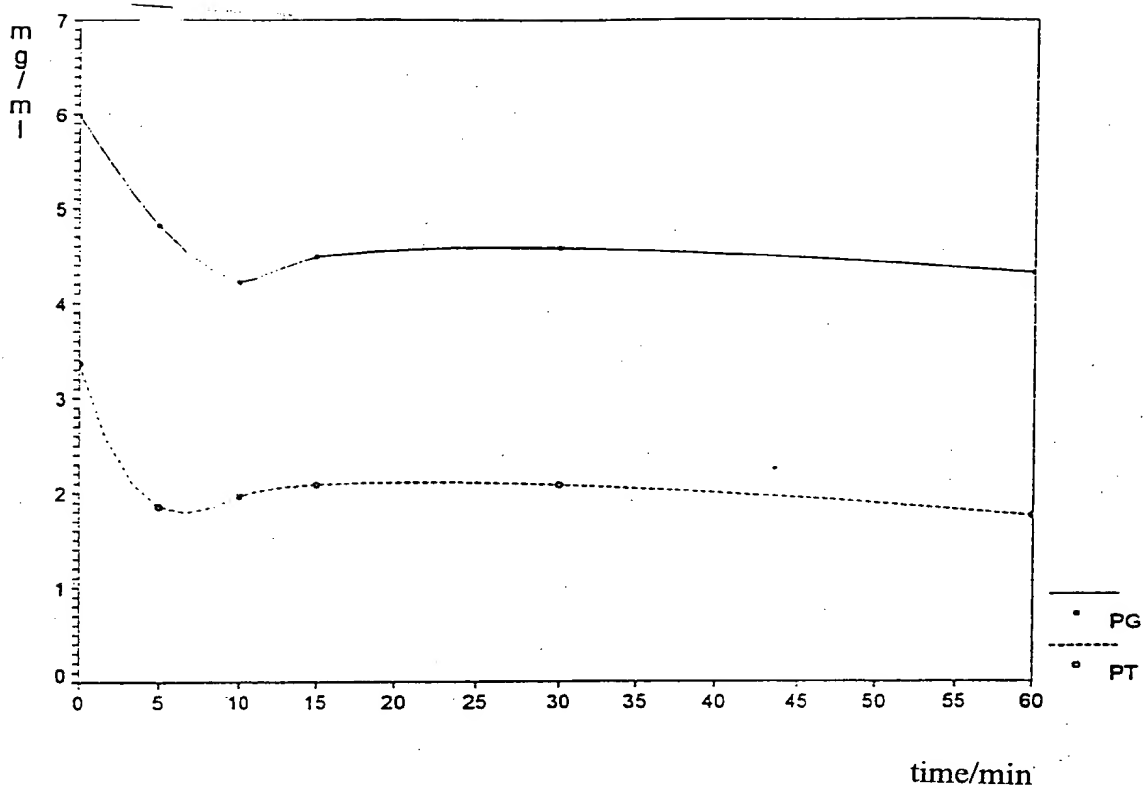
RAG: Remaining activity of CLG after adding of a specific inhibitor for cysteine proteinases (E64).

RAT: Remaining activity of CLT after adding of E64.

X-axis: Time in minutes; 0 min refers to the state before and the other values to the state after withdrawing the inhibitor.

Y-axis: activity in  $\mu\text{U}/\text{mg}$  protein.

Fig. 7 Amount of protein



LEGEND: PG: Amount of protein of healthy lung tissue before and after withdrawing the inhibitor.

PT: Amount of protein of tissue, showing a tumor in the lung, before and after withdrawing the inhibitor.

X-axis: Time in minutes; 0 min refers to the state before and the other values to the state after withdrawing the inhibitor.

Y-axis: Amount of protein in mg/ml.

**FIG. 8**

Kaplan-Meier Graph (Survival-Graph)

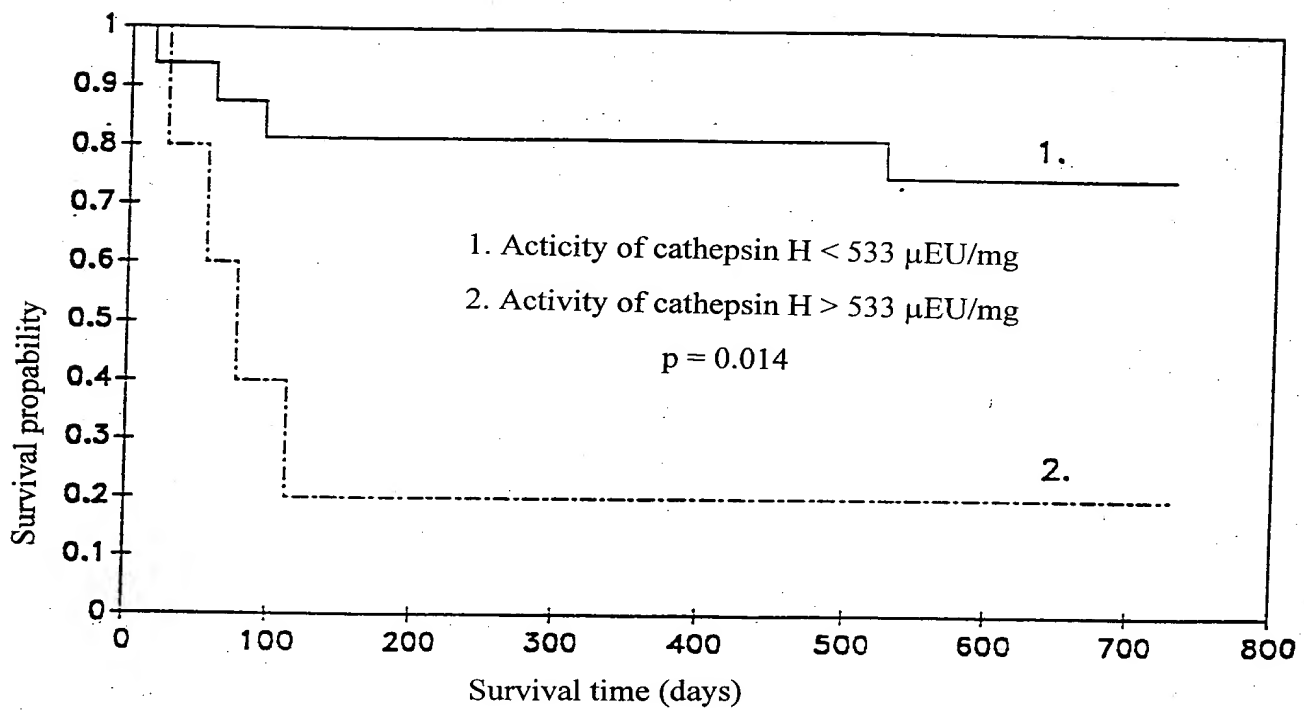
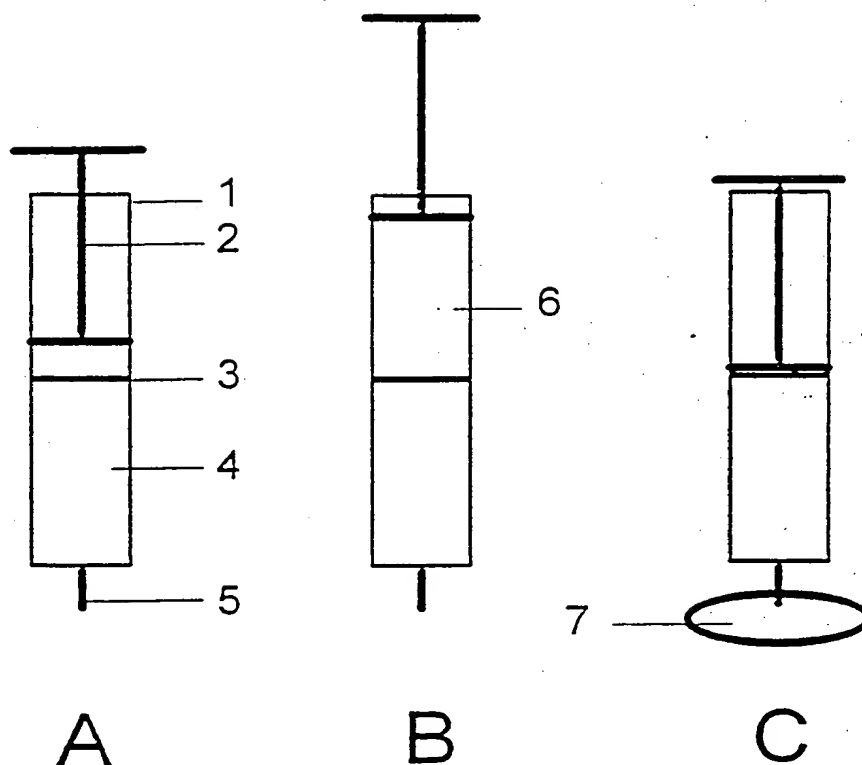




FIG. 9

Device for a quick test



## LEGEND:

- A: State before use  
 B: State after sucking in the sample  
 C: State after filling in the sample in the reaction vessel

- 1: Syringe  
 2: Plunger  
 3: Microfilter  
 4: Chromatographic carrier with enzyme coupled to it  
 5: Aperture of the syringe for filling in and discharging the sample, provided with a microfilter  
 6: Space filled with liquid  
 7: Reaction vessel